

### Abstract Of The Disclosure

5 A subassembly of an internal combustion engine is described, in particular an injection system or a fuel injector having a tribologically stressed component, in particular an injection needle, having a surface area which moves relative to a mating body during operation and is thus tribologically stressed, the surface area having an at least mostly an inorganic hard material coating. The subassembly is suitable in particular for use in an internal combustion engine which is operated with a dry gas such as natural gas or hydrogen as the fuel or under oil-free and/or water-free combustion conditions. In addition, a gas engine having such a subassembly is described.